

*Wilson, Chas.
Little
Cutler*

TOBACCO INDUSTRY RESEARCH COMMITTEE

150 East Forty Second Street

New York 17, N.Y.

*#262
(cf. #214
Activated
2/15/59)*

Application For Research Grant

Date: December 3, 1959

1. Name of Investigator: Carl C. Seltzer, Ph.D.
(Co-investigator - Dr. Caroline Bedell Thomas, Associate Prof. of Medicine, The Johns Hopkins University School of Medicine.)
2. Title: Research Fellow in Anthropology, Peabody Museum
3. Institution & Address: Harvard University
Cambridge 38, Mass.
4. Project or Subject: Harvard--Johns Hopkins Study of Body Form with Smoking, Precursors of Hypertension and Coronary Artery Disease.

5. Detailed Plan of Procedure: The purpose of the initial part of this project is to obtain anthropometric data including standard somatotype photographs on a series of medical students who are the subject of intensive investigation by the Precursors Study of Hypertension and Coronary Artery Disease of the Johns Hopkins University School of Medicine.

The availability of this morphological data will make it possible to explore the extent of relationship between the morphological constitution of the individual and a series of variables including smoking habits, circulatory response to smoking, cholesterol levels, and other observations already obtained in the precursor study.

Anthropometric information will be obtained on approximately 400 subjects in the Johns Hopkins School of Medicine, in Baltimore, Md. Since no qualified anthropologist trained in anthropometric techniques is available in the Baltimore area, arrangements have been made to obtain the services of Dr. J. Lawrence Angel of the Anatomy Department of the Jefferson Medical College in Philadelphia. Dr. Angel, an experienced anthropologist, will come to Baltimore twice a week to make the necessary morphological measurements, observations, and somatotype pictures. Cooperation of the Johns Hopkins University School of Medicine has already been established.

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| 6. <u>Budget Plan:</u> | Salaries (Dr. Angel \$35 per diem) | \$2,275. |
| | Expendable Supplies | 387. |
| | Permanent Equipment | 650. |
| | Overhead (15%) | 1,279. |
| | Other - transportation scheduling-student remuneration, recorder travel, misc. | 5,215. |

Total \$ 9,806.

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7. Anticipated Duration of Work: One year.

8. Facilities and Staff Available:

Facilities of the Johns Hopkins University School of Medicine
Dr. J. Lawrence Angel, Anatomy Department of the Jefferson Medical
College, Philadelphia

9. Additional Requirements:

Principal investigator and co-investigator will receive no salary.

After collection of the morphological data, an additional research grant will be required for the statistical analysis and correlative work-up of the material involving investigators.

10. Additional Information (Including relation of work to other projects and other sources of supply):

For relation of this work to other projects see publications:

- (a) "Masculinity and Smoking" by C. C. Seltzer, Science, (in press).
- (b) "The Precursors of Essential Hypertension and Coronary Artery Disease" by C. M. Thomas and others. Volume 1, 1948-1959. Collected Papers. The Johns Hopkins School of Medicine.

/s/ Carl C. Seltzer, Director of Project

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